

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Zsebo, Krisztina M.  
6 Bosselman, Robert A.  
7 Suggs, Sidney V.  
8 Martin, Francis H.  
9  
10 (ii) TITLE OF INVENTION: Stem Cell Factor: Composition Claims  
11  
12 (iii) NUMBER OF SEQUENCES: 104  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun  
16 (B) STREET: 6300 Sears Tower, 233 South Wacker Drive  
17 (C) CITY: Chicago  
18 (D) STATE: Illinois  
19 (E) COUNTRY: United States of America  
20 (F) ZIP: 60606-6402  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER:  
30 (B) FILING DATE:  
31 (C) CLASSIFICATION:  
32  
33 (vii) PRIOR APPLICATION DATA:  
34 (A) APPLICATION NUMBER: 09/005,893  
35 (B) FILING DATE: 12-JAN-1998  
36 (C) CLASSIFICATION:  
37  
38  
39 (vii) PRIOR APPLICATION DATA:  
40 (A) APPLICATION NUMBER: 08/449,653  
41 (B) FILING DATE: 24-MAY-1995  
42 (C) CLASSIFICATION:  
43  
44 (vii) PRIOR APPLICATION DATA:  
45 (A) APPLICATION NUMBER: 07/982,255  
46 (B) FILING DATE: 25-NOV-1992

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PATENT APPLICATION US/09/224,683DATE: 01/15/99  
TIME: 13:02:31

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47  
48 (vii) PRIOR APPLICATION DATA:  
49 (A) APPLICATION NUMBER: 07/589,701  
50 (B) FILING DATE: 01-OCT-1990  
51  
52 (vii) PRIOR APPLICATION DATA:  
53 (A) APPLICATION NUMBER: 07/573,616  
54 (B) FILING DATE: 24-AUG-1990  
55  
56 (vii) PRIOR APPLICATION DATA:  
57 (A) APPLICATION NUMBER: 07/537,198  
58 (B) FILING DATE: 11-JUN-1990  
59  
60 (vii) PRIOR APPLICATION DATA:  
61 (A) APPLICATION NUMBER: 07/422,383  
62 (B) FILING DATE: 16-OCT-1989  
63  
64 (viii) ATTORNEY/AGENT INFORMATION:  
65 (A) NAME: Clough, David W.  
66 (B) REGISTRATION NUMBER: 36,107  
67 (C) REFERENCE/DOCKET NUMBER: 01017/35136  
68  
69 (ix) TELECOMMUNICATION INFORMATION:  
70 (A) TELEPHONE: 312/474-6300  
71 (B) TELEFAX: 312/474-0448  
72 (C) TELEX: 25-3856  
73  
74 (2) INFORMATION FOR SEQ ID NO:1:  
75  
76 (i) SEQUENCE CHARACTERISTICS:  
77 (A) LENGTH: 165 amino acids  
78 (B) TYPE: amino acid  
79 (C) STRANDEDNESS: single  
80 (D) TOPOLOGY: linear  
81  
82 (ii) MOLECULE TYPE: protein  
83  
84 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
85  
86 Glu Glu Ile Cys Arg Asn Pro Val Thr Asp Asn Val Lys Asp Ile Thr  
87 1 5 10 15  
88  
89 Lys Leu Val Ala Asn Leu Pro Asn Asp Tyr Met Ile Thr Leu Asn Tyr  
90 20 25 30  
91  
92 Val Ala Gly Met Asp Val Leu Pro Ser His Cys Trp Leu Arg Asp Met  
93 35 40 45  
94  
95 Val Thr His Leu Ser Val Ser Leu Thr Thr Leu Leu Asp Lys Phe Ser  
96 50 55 60  
97  
98 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Gly  
99 65 70 75 80

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100  
101 Lys Ile Val Asp Asp Leu Val Ala Cys Met Glu Glu Asn Ala Pro Lys  
102 85 90 95  
103  
104 Asn Val Lys Glu Ser Leu Lys Lys Pro Glu Thr Arg Asn Phe Thr Pro  
105 100 105 110  
106  
107 Glu Glu Phe Phe Ser Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp  
108 115 120 125  
109  
110 Phe Met Val Ala Ser Asp Thr Ser Asp Cys Val Leu Ser Ser Thr Leu  
111 130 135 140  
112  
113 Gly Pro Glu Lys Asp Ser Arg Val Ser Val Thr Lys Pro Phe Met Leu  
114 145 150 155 160  
115  
116 Pro Pro Val Ala Ala  
117 165  
118

## (2) INFORMATION FOR SEQ ID NO:2:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 26 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA

## (ix) FEATURE:

- (A) NAME/KEY: modified\_base
- (B) LOCATION: 9
- (D) OTHER INFORMATION: /mod\_base= Inosine

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

ACRTTYTTNG GNGCRTTYTC YTCCAT

26

## (2) INFORMATION FOR SEQ ID NO:3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 23 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: DNA

## (ix) FEATURE:

- (A) NAME/KEY: modified\_base
- (B) LOCATION: 12 and 15
- (D) OTHER INFORMATION: /mod\_base= Inosine

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153 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
154  
155 AARAAATCYT CNGGNGTRAA RTT 23  
156  
157 (2) INFORMATION FOR SEQ ID NO:4:  
158  
159 (i) SEQUENCE CHARACTERISTICS:  
160 (A) LENGTH: 14 base pairs  
161 (B) TYPE: nucleic acid  
162 (C) STRANDEDNESS: single  
163 (D) TOPOLOGY: linear  
164  
165 (ii) MOLECULE TYPE: DNA  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
168  
169 GTYTCNGGYT TYTT 14  
170  
171 (2) INFORMATION FOR SEQ ID NO:5:  
172  
173 (i) SEQUENCE CHARACTERISTICS:  
174 (A) LENGTH: 26 base pairs  
175 (B) TYPE: nucleic acid  
176 (C) STRANDEDNESS: single  
177 (D) TOPOLOGY: linear  
178  
179 (ii) MOLECULE TYPE: DNA  
180  
181 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
182  
183 ATGGARGARA AYCCCCCAA RAAYGT 26  
184  
185 (2) INFORMATION FOR SEQ ID NO:6:  
186  
187 (i) SEQUENCE CHARACTERISTICS:  
188 (A) LENGTH: 20 base pairs  
189 (B) TYPE: nucleic acid  
190 (C) STRANDEDNESS: single  
191 (D) TOPOLOGY: linear  
192  
193 (ii) MOLECULE TYPE: DNA  
194  
195 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
196  
197 CCNAAYGAYT AYATGWTMAC 20  
198  
199 (2) INFORMATION FOR SEQ ID NO:7:  
200  
201 (i) SEQUENCE CHARACTERISTICS:  
202 (A) LENGTH: 20 base pairs  
203 (B) TYPE: nucleic acid  
204 (C) STRANDEDNESS: single  
205 (D) TOPOLOGY: linear

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206  
207 (ii) MOLECULE TYPE: DNA  
208  
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
210  
211 GGNGGNARCA TRAANGGYTT 20  
212  
213 (2) INFORMATION FOR SEQ ID NO:8:  
214  
215 (i) SEQUENCE CHARACTERISTICS:  
216 (A) LENGTH: 23 base pairs  
217 (B) TYPE: nucleic acid  
218 (C) STRANDEDNESS: single  
219 (D) TOPOLOGY: linear  
220  
221 (ii) MOLECULE TYPE: DNA  
222  
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
224  
225 ACCAKAARAT CTTYAAANCG ATC 23  
226  
227 (2) INFORMATION FOR SEQ ID NO:9:  
228  
229 (i) SEQUENCE CHARACTERISTICS:  
230 (A) LENGTH: 22 base pairs  
231 (B) TYPE: nucleic acid  
232 (C) STRANDEDNESS: single  
233 (D) TOPOLOGY: linear  
234  
235 (ii) MOLECULE TYPE: DNA  
236  
237 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
238  
239 GTATTTTCAA TAGATCCATT GA 22  
240  
241 (2) INFORMATION FOR SEQ ID NO:10:  
242  
243 (i) SEQUENCE CHARACTERISTICS:  
244 (A) LENGTH: 14 base pairs  
245 (B) TYPE: nucleic acid  
246 (C) STRANDEDNESS: single  
247 (D) TOPOLOGY: linear  
248  
249 (ii) MOLECULE TYPE: DNA  
250  
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
252  
253 CCAACTATGT CGCC 14  
254  
255 (2) INFORMATION FOR SEQ ID NO:11:  
256  
257 (i) SEQUENCE CHARACTERISTICS:  
258 (A) LENGTH: 21 base pairs

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**SEQUENCE VERIFICATION REPORT**  
PATENT APPLICATION *US/09/224,683*

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